

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A bale shape monitor for a round baler having a bale-forming chamber defined by a series of side-by-side belts, comprising: a movable member located within the bale-forming chamber, wherein the movable member is adapted to move in response to outward movement of the belts caused by growth of the bale within the bale-forming chamber;

first and second spaced apart rollers rotatably mounted to the movable member, wherein the movable member is configured such that the rollers are arranged to engage the bale at least a spaced apart pair of underlying belts when the bale is uniform in diameter in the locations of the rollers, such that the first and second rollers rotate at a speed of rotation above a predetermined threshold in response to movement of the underlying belts to rotate the bale rotation of the bale within the bale-forming chamber at a speed of rotation above a predetermined threshold, and wherein the movable member is configured such that the first roller is moved out of engagement with the bale underlying belt when the bale is not uniform in diameter in the locations of the rollers, wherein movement of the first roller out of engagement with the bale underlying belt results in the first roller not rotating above the threshold speed of rotation; and

a sensor arrangement associated with the rollers, wherein the sensor arrangement is configured to sense rotation of the rollers above the threshold speed of rotation and to output a signal when the second roller is rotating above the threshold speed of rotation and the first roller is not rotating above the threshold speed of rotation due to movement of the first roller out of engagement with the

~~bale underlying belt~~, wherein the signal indicates a differential in the reduced diameter of the bale in the vicinity of the first rollers.

2. (Original) The bale shape monitor of claim 1, wherein the movable member comprises a laterally rigid frame which extends across the bale-forming chamber.

3. (Currently Amended) The bale shape monitor of claim 2, wherein the laterally rigid frame is configured to contact ~~one of the bale at a location~~
~~belts located between the rollers spaced apart pair of belts.~~

4. (Original) The bale shape monitor of claim 3, wherein the laterally rigid frame carries a series of bale starting members which direct crop material during formation of the bale.

5. (Currently Amended) The bale shape monitor of claim 1, further comprising a steering indicator interconnected with the sensor arrangement for providing a sensory output to an operator of the round baler indicating the area of the bale having a ~~lesser~~reduced diameter.

6. (Currently Amended) A method of detecting a differential in bale diameter in a round bale as the round bale is formed in the bale-forming chamber of a round baler, comprising the steps of:

positioning a pair of rotatable members on a frame located within the bale-forming chamber, wherein the rotatable members are laterally spaced apart from each other and wherein the rotatable members are arranged to engage the bale to rotate in response to rotation of the bale within the bale-forming chamber, and to move radially outwardly along with the bale in response to growth of the bale within the bale-forming chamber, and wherein the frame is configured such that a

differential in bale diameter in the locations of the rotatable members results in one of the rotatable members moving out of engagement with the bale;

forming a bale within the bale-forming chamber;

sensing rotation of the rotatable members during formation of the bale within the bale-forming chamber; and

outputting a signal in response to sensing rotation of the rotatable members when one of the rotatable members rotates at a speed of rotation above a predetermined threshold due to engagement with the bale, and the other of the rotatable members moves out of engagement with the bale and does not rotate above the threshold speed of rotation, wherein the rotation of only one of the rotatable members above the threshold speed of rotation indicates a differential in bale diameter during growth of the bale within the bale-forming chamber in the vicinity of the rotatable members.

7. (Previously Cancelled)

8. (Previously Amended) The method of claim 6, wherein the step of sensing rotation of the rotatable members during formation of the bale is carried out by interconnecting a rotation sensing arrangement between the frame and each rotatable member.

9. (Currently Amended) The method of claim 6, wherein the frame is configured to contact the bale at a location between the pair of rotatable members.

10. (Original) The method of claim 6, wherein the step of outputting a signal is carried out by outputting a sensory signal which provides an indicator to the operator of the round baler as to the side of the bale having a lesser diameter.

11. (Previously Amended) In a round baler having a bale-forming chamber and a movable member which moves radially outwardly along with the bale during formation of the bale within the bale-forming chamber, the improvement comprising first and second spaced apart rotatable members mounted to the movable member, wherein the first and second rotatable members engage the bale and rotate at a speed of rotation above a threshold speed of rotation when the bale diameter is substantially uniform, and wherein the first rotatable member is moved out of engagement with the bale by movement of the movable member when the diameter of the bale is less in the vicinity of the first rotatable member than in the vicinity of the second rotatable member, such that the first rotatable member does not rotate above the threshold speed of rotation and the second rotatable member rotates above the threshold speed of rotation, and a sensor arrangement associated with the first and second rotatable members for detecting rotation of the rotatable members, wherein the sensor arrangement is configured to detect when the speed of rotation of the first rotatable member is below the threshold speed of rotation and the speed of rotation of the second rotatable member is above the threshold speed of rotation, to indicate a reduced diameter of the bale in the vicinity of the first rotatable member.

12. (Original) The improvement of claim 11, wherein the sensor arrangement comprises a switch mechanism interposed between the movable member and each rotatable member for detecting rotation of the rotatable members relative to the movable member.

13. (Original) The improvement of claim 11, wherein the sensor arrangement is operable to detect a differential in the frequency of rotation between the rotatable members.

14. (Previously Cancelled)

15. (Previously Amended) The improvement of claim 13, wherein the movable member contacts the bale at a location between the rotatable members.

16. (Original) The improvement of claim 15, wherein the baler includes a series of belts, and wherein the rotatable members are arranged to contact the belts which engage an outer surface defined by the bale during formation of the bale within the bale-forming chamber.

17. (Original) The improvement of claim 11, further comprising an indicator interconnected with the sensor arrangement for providing an indication as to a differential in bale diameter in the vicinity of the rotatable members.

18. (Previously Amended) The improvement of claim 17, wherein the indicator comprises a sensory output arrangement for outputting a signal to an operator of the round baler indicating a lesser diameter of the bale in the vicinity of the first rotatable member.

19. (Previously Amended) A bale shape monitor for a round baler having a bale-forming chamber, comprising:

a movable member located within the bale-forming chamber, wherein the movable member is adapted to move in response to growth of the bale within the bale-forming chamber;

a pair of spaced apart rollers rotatably mounted to the movable member, wherein the rollers are arranged to rotate in response to rotation of the bale within the bale-forming chamber;

a sensor arrangement associated with the rollers, wherein the sensor arrangement is configured to sense rotation of the rollers and to output a signal in response to a sensed differential in the speed of rotation of the rollers, wherein the

signal indicates a differential in the diameter of the bale in the vicinity of the rollers; and

wherein the sensor arrangement includes a magnet received within a passage defined by each roller, wherein the magnet rotates with the roller to sense rotation of the roller.